Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

No. 2nd & Final Bill Date 2021

Division: Project Sub Division: Project

Bill Received No. Dated Divisional Cash Book Voucher No. ...... Dated ....
Sub Divisional Work Code: 003-20-000024

Schedule Docket No. Head of Account: P3590 Special Development Works Est Cost: 170.00 Lacs

Name of Work: Developmental Works to Vivekaanda Park Providing cobble stones and fixing Children plat Equipment in Vishwanagar park in Ward NO:03

Name of Contractor and Full Address: Sri. D.K Nagaraj(M/s DNK & Assosicates)

Reference to Agreement No 162/2019-20 Date: 27-02-2020

Certified that the measurements were taken by me on 29/12/2020 and recorded of Pages 439105to 439119 of measurement Book No. 22/2019-20 and that the work is satisfactorily executed

Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 29/12/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Aprocal. 17610800.00

Review. 13355500.00

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

II Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being ....percent Rs............
3) Balance
4) Deduct Payment.
   a) Amount of previous payment as in the Office Cash Book Voucher
   No. ...... Dated .... S.D. No................ Amount adjusted
   towards cash advance recovery of
   b) Payments Now made } cost store or other material supplied. / recovery of amount creditable to this/other work / Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No........... dated .... less adjustments.
7) Net amount due to or from Contractor unadjustments items.
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

BA	4255300.00
	42600.00
	37994.00
	37994.00
	4260.00
	42600.00
	165448.00
	4089852.00

Total amount adjusted -

Contractor's Signature

Received Rs .... (in words) ....

by cash and by adjustment of Payment as per memorandum
(In final settlement of all demands) (For use in the Office)

Witness
1)
2)

Stamp

Dated Signature of Contractor

Paid by me by Cheque No .... Dated ....

Cash Rs ....

Dated ......

Initials of Officer making payment

Head of Account....P3590
Audited & Admitted for Rs 4255300
Passed for Rs. 4089852.00
Executive Engineer
Paid To D.K Nagaraj
By Adjustment Rs. 165448.00

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BRUHAT BANGALORE MAHANAGARA PALIKE

Bill Form

Name of work: Developmental works to Vivekananda Park , Providing Cobble stones and fixing children play equipments in Vishwan... park in Ward No.03

Sl. No.	Name of items	Unit	Previous			Present			Total Up-to-date		Remarks
			Qty.	Rate	Amount	Qty.	Rate Rs.	Amount	Qty.	Cost	
1	KSRB 4.1.3 Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, Specification No. KBS 4.1, 4.2 with all lead and lift , loading and unloading and allother incidental charges etc , complete as per specification and direction of the										
		Cu.m				7.69	6000	46152	7.69	46152	
2	Dismantling plastering and removing the debris with a lead upto 200m. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work										
	Upto 125%	Sqm				331.25	44	14575	331.25	14575	
	Above 125%					24.16	41.96	1013.7536	24.16	1013.7536	
3	KSRB15-3.7 Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work										
	Upto 125%	Sqm				161.4	350	56490	161.40	56490	
	Above 125%					31.17	312.98	9755.5866	31.17	9755.5866	
4	KSRB 15.3.2 Providing 12mm thick cement plaster in single coat with cement mortar 1:4, (with lime rendering) to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the										
	Upto 125%	Sqm				161.4	280	45192	161.40	45192	
	Above 125%					48.34	248.06	11991.2204	48.34	11991.2204	

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5	KSRB 15-3.14: Providing 12mm thick cement plaster in single coat with cement mortar 1:4 (with lime rendering) to ceiling including & rounded off corners wherever required smooth rendering Providing & removing scaffolding, including cost of materials, labour curing complete as per specification with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and									
		Sqm				41.07	300	12321	41.07	12321
6	KSRB15-5.2 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:6, to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and									
	Upto 125%	Sqm				7.99	220	1757.8	7.99	1757.8
	Above 125%					34.745	211.08	7333.9746	34.75	7333.9746
7	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on bed of 12mm thick cement mortar for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, including cost of all mateirals, mortar, labour, etc.. Complete as per specification, with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the									
		Sqm				40.73	1100	44803	40.73	44803
8	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mm. flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 15x15cms 6mm thick with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification									
		Sqm				102.27	1350	138064.5	102.27	138064.5
9	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the									

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10	KSRB 9-27.3 : Fixing of ventilator frame in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of									
11	SOLID PVC DOOR FRAME Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge. with all lead and lift , loading and unloading and allother incidental charges etc.,									
12	SOLID PANEL PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm fro styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges. with all lead and lift , loading and unloading and allother incidental charges etc., complete as									
13	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in									
		Sqm				161.4	120	19368	161.40	19368

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16	KSMR 15.19.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications, with all lead and lift , loading and unloading and allother incidental charges etc., complete as									
	Upto 1.25%	Sqm				161.4	130	20982	161.40	20982
	Above 1.25%					27.1	119.24	3231.404	27.10	3231.404
17	KSMR 15.17.A : Applying priming coat over new wood surface and / or wood board surface, after brushing with ready mix enamel priming paint including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications , with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of									
	Upto 1.25%	Sqm				5.51	60	330.6	5.51	330.6
	Above 1.25%					2.08	66.15	135.6075	2.08	135.6075
18	KSMR 15.19.3 : Providing and applying enamel metal paint (two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications, with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of									
		Sqm				6.3	112	705.6	6.30	705.6
19	KSMR 4.1.6 : Preparing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.45cum, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications Specification No. KSR 4.1, 4.2. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of									
		Cum				3.8	6500	21450	3.30	21450

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18	ICSIEB 10-3 Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of admixed with proprietary water proofing compound to required slope and treating cement mortar 1:5 similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick joinfless cement mortar of mix 1:4 admixed with proprietary water proofing compound and	Sqm				40.05	1200	48060	40.05	48060	
19	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer in	M				70	280	19600	70.00	19600	
20	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 32 mm nominal OD pipes. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer in	M				20	440	8800	20.00	8800	

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21	KSBS13.6.3.2 Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3 with all lead and lift , loading and unloading and allother incidental charges etc. , complete as per specification and direction of									
		Nos				5	450	2250	5.00	2250
22	KSBS 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 with all lead and lift , loading and unloading and allother incidental charges etc.,									
		Each				2	6000	12000	2.00	12000
23	KSBS 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and									
		Unit				3	4600	13800	3.00	13800
24	KSBS 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 560 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and									
		Unit				5	5000	25000	5.00	25000

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25	KSBS 13 6.1.3 Providing and fixing in position brass lub cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No KHS 13.2.2 / 13.3 with all lead and lift , loading and unloading and allother incidental charge's etc , complete as per specification and direction of the engineer in charge of the work.	Each				12	200	2400	12.00	2400
26	KSBS 11.7.1 Providing and fixing white vitreous china clay, flat back, lipped four urinal basin of 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KHS 11 with all lead and lift , loading and unloading and allother incidental charges etc , complete as per specification and	Unit				3	3600	10800	3.00	10800
27	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern nr M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot) 10cms x 7.5cms with all lead and lift , loading and unloading and allother incidental charges etc., complete as	Each				6	300	1800	6.00	1800
28	KSBS 11.13.3 Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications with all lead and lift , loading and unloading and allother incidental charges etc , complete as per	Each				3	1350	4050	3.00	4050
29	KSBS 300.1 Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications with all lead and lift , loading and unloading and allother incidental charges etc , complete as per specification and direction of	Cum	346.44	250	86610.00	76.20	250.00	19050	422.64	105660

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30	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 2100 with all lead and lift , loading and unloading and allother incidental charges etc., complete as										
		Cum	61.950	6000	371700.00				61.95	371700	
31	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar & stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, HOM, curing complete as per specifications. KBS 5.1.13.cement mortar 1:6 (using available stones) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of										
		Cum	194.03	5300	1028359				194.03	1028359	
32	KSRB 15.1.3 – do – Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and										
33	KSRB 5-11 : Providing and constructing load bearing wall with having block density not less than 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials labour charegs, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4 do- solid concrete blocks of size 400x150x200 mm with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of										
		Sqm	21	1150	24150	20.00	1150.00	23000	41.00	47150	
34	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.450cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, for coping, including cost of all materials, labour, HOM, curing complete as per specifications.Specification No KBS 4.1, 4.2 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and										
		Cum	18.7	6100	114070						

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[illegible]	[illegible]	Sqm				24.00	5900.00	141600	24.00	141600	
[illegible]	[illegible]	Sqm	83.11	300	24933						
[illegible]	[illegible]	Cum	27.85	5500	153175						
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	

39	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72 x 72 x 4.8mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanized forged ornamental design in between rods and beads at top, middle and bottom. Intermediate supports of 75x12mm and 50X6mm arch bent to hot dip galvanized flats, the work is inclusive of throughing GI, flat GI Sqm. rods, placing, welding all the joints including grinding, rubbing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like G I Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of tow places including cost of labour, painting, erection charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other										
	Upto 125%	m	3.15	13000	40950	0.79	13000.00	10270.00	3.94	51220.00	
	Above 125%					9.88	13000.00	128440.00	9.88	128440.00	
40	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and					9.70		122200-00			
		m	1048.5	700	733978	67.50	700.00	47250.00	1116.04	781228.00	
41	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms, including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the										
		m	512	1000	512000						

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42	KSRB 15-18.2 : Providing and applying enamel metal paint (two coats excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of	SqM				950.94	110.00	104603.4	950.94	104603.4	
43	Providing and fixing M.S. Block pipe of 38mm dia, of heavy gauge of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. with all lead and lift , loading and unloading and allother incidental charges etc., complete as	m	1362.1	400	544848						
44	KSRB 14.6-1: Providing, Removing and Resetting of available heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minumum compressive strength of 281 kg per sqm over 50mm jOints, final compaction of paver surface joints into its final level, includingthick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between labour and HOM of machineries complete as per specifications with all lead and lift , loading and unloading and allother incidental charges etc., complete machineries complete as per specifications. Specification No. KBS with all lead and lift , loading and unloading and allother										
45	KSRB 14.6-1: Providing & laying heavy duty cobble stones 60mm thick interlock pavers using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification										

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46	KSR&B 3 M400 19 Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No 407 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer in charge of the work										
	Upto 125%	Cum				135.30	250.00	33825	135.30	33825	
	Above 125%					145.50	230.42	33526.11	145.50	33526.11	
47	Removing and resetting of kerb stones with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer in charge of the work										
48	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer in										
49	KSR&B 800-1 Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer in										
50	Supplying and fixing of modular switch/socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer in charge of the work	Each				1.00	70.00	70	1.00	70	
51	Supplying and fixing of modular switch/socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 5/15Amps 3way socket with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer in charge of										
52	Supplying and fixing of modular switch/socket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 5/15Amps universal socket with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer in charge of										

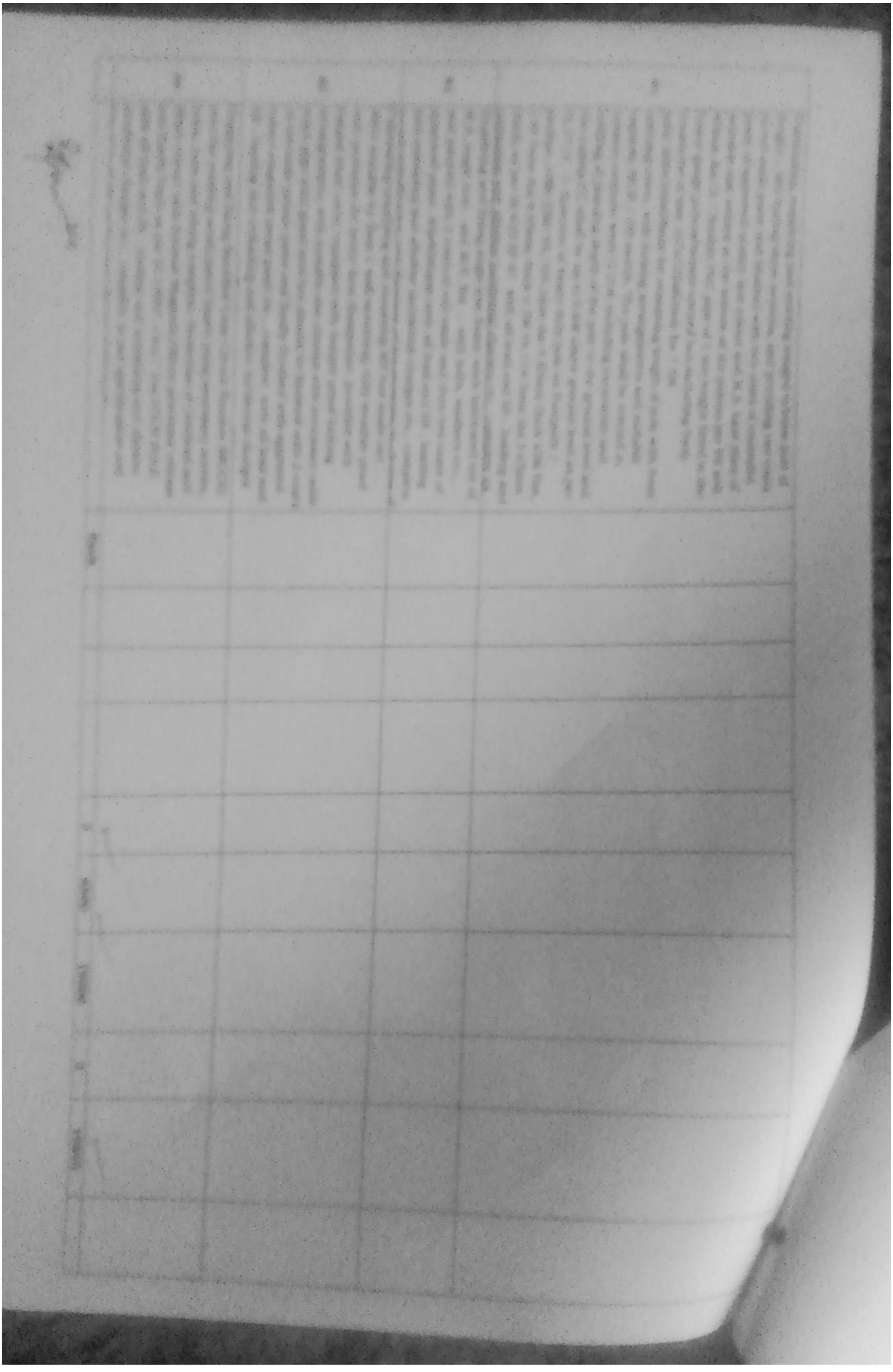
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93	Supplying following size heavy guage PVC conduit pipe and following thick confirming to IS 2509 with suitable size bends, Metal/PVC junction boxes, adhesive paste etc, and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures run with 18SWG GI fish wire where ever necessary. 25mm dia 2mm thick with all lead and lift , loading and unloading and allother incidental										
		Mtr				60.00	60.00	3600	60.00	3600	
94	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multisand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of Group-A.- 1.5sqmm with all lead and lift , loading and unloading and allother incidental charges etc., complete as										
		Mtr				375.00	22.00	8250	375.00	8250	
95	Supplying and fixing regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting etc., Made out of 14SWG MS enclosure.- 8way SP &N-Single Door with all lead and lift , loading and unloading and allother incidental charges etc.,										
		Each				3.00	950.00	2850	3.00	2850	
96	Supplying of 2 - LED PVC square batten 28Watts with high quality diffuser with life of 25000 burning hours & 70% lumen maintanance with CRI > 80. Power input: 220-240V @ 50Hz & power factor > 0.9 along with CE approved drivers. 3years warranty against any manufacturing defect working under standard electrical condition.1x4'.28Watts with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of										
		Each				6.00	1900.00	11400	6.00	11400	
97	Supplying of 2 pin/4pin 18W CFL lamp with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work										
98	Fixing one exhaust fan after making a suitable nitch in the wall and finishing with cement mortar and colouring to match the existing wall or rackets with bolts and nutsand a 5 amps. cotton rope with sufficient length of 23/ 0.0076 inch PVC sheathed twin core wire of approved make with wire mesh and wooden frame if required. with all lead and lift , loading and unloading and allother incidental charges etc.,										

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58	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K. IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit / miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED	Nos	25	47000	1175000			0	28.00	1175000	
59	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K. IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit / miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED	Nos	6	57000	342000	-2	57000	-114000	4.00	228000	

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65	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-										
		Each				19	500	9500	19	9500	
66	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strips (except 2CX10Sq.mm wire armoured) as per IS 3975:1990 & extruded PVC outer sheathed armoured cable as per IS 1554 Part-1:1988 & confirming to GTP of GROUP E with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and					358.00				62650.00	
		Mtr				376	175	65800	376	65800	
67	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strips (except 2CX10Sq.mm wire armoured) as per IS 3975:1990 & extruded PVC outer sheathed armoured cable as per IS 1554 Part-1:1988 & confirming to GTP of GROUP E with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and										
		Mtr				120	220	26400	120	26400	
68	Labour charges for laying of 1.1 kV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required to existing trench/duct with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in									5736.00	
		Mtr				496	12	5952	496	5952	
69	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc complete (As per Civil SR RSR(P) I-2 P-7) with all lead and lift , loading and unloading and allother incidental charges etc , complete as per specification and direction of the engineer-in					478.00					
		Mtr				218.75	80	17500	218.75	17500	
	Under 1.0%					180	81.9	14742	180	14742	
	Above 1.0%										
70	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete (As per Civil SR RSR(P) I-2, P-7), with all lead and lift , loading and unloading and allother incidental charges etc , complete as per specification and direction of the engineer-in					259.35		2433.00		2433.00	

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[illegible]-2	KSRB 18.54 KSRRB M200-29 Dismantling of barbed wire fencing /wire mesh fencing including posts ,foundation concrete ,back filling of pit by manual means including disposal of dismantled material with all lifts and stacking serviceable material and unserviceable material separately complete as per specification MORTH Specification no 200	Sqm				739.02	74.84	55308.2568	739.02	55308.2568	
[illegible]-3	KSRB 13.66 KSRB 13-6Providing and fixing to wall ,ceiling and floor ,medium density polythelene pipes 6.0Okgs/sqcm working pressure of outside diameter with special flange ,compression type fittings wall clips ,making good the wall ,ceiling and floor including cost of all materials ,labour charges [illegible] and contract complete as per specification	M				198 (106.00)	510.3	101039.4	198	101039.4 (1000₹.00)	
[illegible]-4	KSRB 2.8.1 Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for pipeline with one or two inlets, using table moulded non modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 600x 600mm internal dimensions, total weight of cover 23kg and weight of frame 15kg) R.C.C top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finished smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost	no				2	9627.66	19255.32	2	19255.32	
[illegible]-5	Polyethylene water storage tank of specified capacity and make	Ltr				1000	5.76	5760	1000	5760	
[illegible]-6	KSRB M100-2 Loading unloading of stone boulders /Stone aggregates/ sand/ Kankar/ Morrum KSRRB M100-1: Placing tipper at loading point ,loading with front end loader ,dumping ,turning for return trip,excluding time for Haulage and return trip complete as per specification MORTH 100/Chapter KSRB M100-4 2Haulage of materials by tipper excluding cost of loading ,unloading and stacking complete as per specification MORTH CHAPTER 1 Case-III/Kutcha Track	Cu.m				742.13	155.36	115297.3168	742.13	115297.317	
	Total				11924573.0	3799442.00		3808603.714		15733176.7	
	12% GST				1430951.02			457032.45		1887983.5	
	Grand Total				13355524.0	4255933.00		4265636.159		17621160.2	

4255375.00

SUMMARY:

1. 1. Certified that the above work done [illegible] are [illegible] bills issued from

Transfreight Consultant Pvt Ltd

Assistant Engineer
Project Division, Yelahanka Zone

Asst. Executive Engineer
Assistant Executive Engineer
Project Division, Yelahanka Zone
Yelahanka Zone